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Abstract Of the Disclosure

A string binder is disclosed which is useful for making reinforcing articles for use in the manufacture of molded composite articles. The string binder comprises a fibrous substrate with a chemical treatment, applied thereto, comprising an epoxy, a polyurethane, at least one curing agent, a thickener, and a filler. Additionally, the string binder may be co-roved with one or more ends of a separate fibrous pre-form material to make a product suitable for use in various molding application. The filler, preferably a calcium carbonate filler, of the present invention improves surface characteristics of the finished reinforcing articles by minimizing or eliminating surface fiber prominence and blistering. The string binder made with fillers additionally reduces manufacturing costs and raw material costs as compared with string binders made without such fillers.

TOP SECRET - DESIGNATION